

PTO/SB/08A (08-03)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/696,019
				Filing Date	October 28, 2003
				First Named Inventor	Arthur Rick Alleman
				Art Unit	1645
				Examiner Name	Unknown
Sheet	1	of	3	Attorney Docket Number	UF-387

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
MN	U1	US-6,025,338	02-15-2000	Barbet <i>et al.</i>	All
MN	U2	US-6,251,872	06-26-2001	Barbet <i>et al.</i>	All
MN	U3	US-6,593,147	07-15-2003	Barbet <i>et al.</i>	All
MN	U4	US-6,653,128	11-25-2003	Barbet <i>et al.</i>	All
MN	U5	US-2004-0126871	07-01-2004	Barbet <i>et al.</i>	All
MN	U6	US-2003-0044422	03-06-2003	Barbet <i>et al.</i>	All
MN	U7	US-5,549,898	08-27-1996	McGuire <i>et al.</i>	All
	U8				
	U9				
	U10				
	U11				
	U12				
	U13				
	U14				
	U15				
	U16				
	U17				

Examiner Signature	/Albert M Navarro/	Date Considered	01/11/2007
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		Country Code ³	Number ⁴ - Kind Code ⁵ (if known)			
MN	F1		WO 98/16554	04-23-1998	Barbet <i>et al.</i>	All
MN	F2		WO 00/65063	11-02-2000	Barbet <i>et al.</i>	All

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NON PATENT LITERATURE DOCUMENTS			
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MN	R1	VISSER, E.S. <i>et al.</i> (1992) "The <i>Anaplasma marginale</i> msp5 gene encodes a 19-kilodalton protein conserved in all recognized <i>Anaplasma</i> species" <i>Infect. Immun.</i> 60(12):5139-5144.	
MN	R2	BOWIE, M.V. <i>et al.</i> (1999) "Potential value of major antigenic protein 2 for serological diagnosis of heartwater and related Erlichial infections" <i>Clin. Diagn. Lab Immunol.</i> 6(2):209-215.	
MN	R3	MAHAN, S.M. <i>et al.</i> (1994) "Molecular cloning of a gene encoding the immunogenic 21 kDa protein of <i>Cowdria ruminantium</i> " <i>Microbiology</i> 140(Pt 8):2135-2142.	
MN	R4	HAAS, B.J. <i>et al.</i> (2002) "Full-length messenger RNA sequences greatly improve genome annotation" <i>Genome Biol.</i> 3(6):RESEARCH29.	
MN	R5	GENBANK DATABASE Accession Number AA092930, October 24, 1996	
MN	R6	GENBANK DATABASE Accession Number AAL17671, October 27, 2001	
MN	R7	GENBANK DATABASE Accession Number CAE43991, May 6, 2004.	
MN	R8	GENBANK DATABASE Accession Number CAE39512, May 6, 2004.	
MN	R9	GENBANK DATABASE Accession Number CAE35184, May 6, 2004.	
MN	R10	GENBANK DATABASE Accession Number NP_568068, February 19, 2004.	
MN	R11	GENBANK DATABASE Accession Number ZP_00024197, September 26, 2003.	

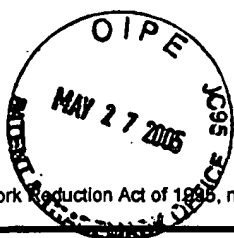
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

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of

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MN	U1	US-5,798,219	08-25-1998	Knowles, D. P. <i>et al.</i>	ALL
	U2	US-			
	U3	US-			
	U4	US-			
	U5	US-			
	U6	US-			
	U7	US-			
	U8	US-			
	U9	US-			

FOREIGN PATENT DOCUMENTS

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	F1					
	F2					
	F3					
	F4					
	F5					
	F6					
	F7					

Examiner
Signature

/Albert M Navarro/

Date

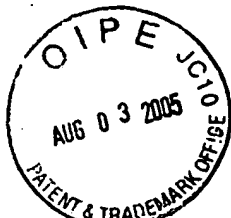
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MN	U1	US-6,524,825	02-25-2003	Stressgen Biotechnologies, Inc.	All
	U2	US-6,419,931	07-16-2002	Epimmune Inc.	All
	U3	US-6,417,337	07-09-2002	The Dow Chemical Co.	All
	U4	US-6,342,362	01-29-2002	Mytelka, Daniel S.	All
	U5	US-6,319,691	11-20-2001	USA Universe Bioengineering, Inc.	All
	U6	US-6,277,375	08-21-2001	Board of Regents, The University of Texas System	All
	U7	US-6,121,424	09-19-2000	Enzon, Inc.	All
	U8	US-5,990,275	11-23-1999	Enzon, Inc.	All
	U9	US-5,843,464	12-01-1998	Ohio State University	All
	U10	US-5,750,352	05-12-1998	Johns Hopkins University	All
	U11	US-5,726,010	03-10-1998	IDEXX Laboratories, Inc.	All
	U12	US-5,712,170	01-27-1998	Oy Medix Biochemica AB	All
	U13	US-5,643,570	07-01-1997	XOMA Corporation	All
	U14	US-5,565,335	10-15-1996	Genentech, Inc.	All
	U15	US-5,183,740	02-02-1993	United States of America as represented by Secretary of the Navy	All
	U16	US-4,816,567	03-28-1989	Genentech, Inc.	All
✓	U17	US-4,738,846	04-19-1988	The Salk Institute for Biological Studies	All

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MN	F1	EP 0 404 097 B1	06-20-1990	Behringwerke <i>et al.</i>	All	
MN	F2	WO 93/11161	06-10-1993	Enzon, Inc.	All	
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MN	R1	ALTENDORF <i>et al.</i> (1999) "Structure and function of the F ₀ complex of the ATP synthase from <i>Escherichia coli</i> " <i>J. Exp. Biol.</i> 203:19-28.	
MN	R2	ALTSCHUL <i>et al.</i> (1990) "Basic local alignment search tool" <i>J. Mol. Biol.</i> 215(3):403-410.	
MN	R3	ALWINE, <i>et al.</i> (1977) "Method for detection of specific RNAs in agarose gels by transfer to diazobenzylmethyl-paper and hybridization with DNA probes" <i>Proc. Natl. Acad. Sci.</i> 74:5350-5354.	
MN	R4	BENOIST AND CHAMBON. (1981) "In vivo sequence requirements of the SV40 early promoter region" <i>Nature</i> 290:304-310.	
MN	R5	BERCHTOLD, <i>et al.</i> , (1989) "A simple method for direct cloning and sequencing cDNA by the use of a single specific oligonucleotide and oligo (dT) in a polymerase chain reaction (PCR)" <i>Nuc. Acids. Res.</i> 17(1):453.	
MN	R6	BIANCHI <i>et al.</i> (1997) "Biosensor technology and surface plasmon resonance for real-time detection of HIV-1 genomic sequences amplified by polymerase chain reaction" <i>Clin. Diagn. Virol.</i> , 8:199-208.	
MN	R7	BRINSTER <i>et al.</i> (1982) "Regulation of metallothionein-thymidine kinase fusion plasmids injected into mouse eggs" <i>Nature</i> 296:39-42.	
MN	R8	CLACKSON <i>et al.</i> (1991) "Making antibody fragments using phage display libraries" <i>Nature</i> 352: 624-628.	
MN	R9	DE BOER, <i>et al.</i> (1983) "The <i>tac</i> promoter: A functional hybrid derived from the <i>trp</i> and <i>lac</i> promoters" <i>Proc. Natl. Acad. Sci. U.S.A.</i> 80:21-25.	
MN	R10	EINHAUER <i>et al.</i> (2001) "The FLAG TM peptide, a versatile fusion tag for the purification of recombinant proteins" <i>J. Biochem Biophys Methods</i> 49:455-465.	
MN	R11	GARDNER, <i>et al.</i> (1981) "The complete nucleotide sequence of an infectious clone of cauliflower mosaic virus by M13mp7 shotgun sequencing" <i>Nucl. Acids Res.</i> 9:2871-2888.	
MN	R12	GISH AND STATES (1993) "Identification of protein coding regions by database similarity search" <i>Nature Genetics</i> 3:266-272.	

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MN	R13	HERRERA-ESTRELLA <i>et al.</i> (1983) "Expression of chimaeric genes transferred into plant cells using a Ti-plasmid-derived vector" <i>Nature</i> 303:209-213.	
MN	R14	HERRERA-ESTRELLA <i>et al.</i> (1984) "Light-inducible and chloroplast-associated expression of a chimaeric gene introduced into <i>Nicotiana tabacum</i> using a Ti plasmid vector" <i>Nature</i> 310:115-120.	
MN	R15	HOLLIGER <i>et al.</i> (1993) ""Diabodies" Small bivalent and bispecific antibody fragments" <i>Proc. Natl. Acad. Sci. USA</i> 90:6444-6448.	
MN	R16	JONES <i>et al.</i> (1995) "Current trends in molecular recognition and bioseparation" <i>J. Chromatog. A</i> 707:3-22.	
MN	R17	KOHLER AND MILSTEIN (1975) "Continuous cultures of fused cells secreting antibody of predefined specificity" <i>Nature</i> 256:495-497.	
MN	R18	KUSTERBECK <i>et al.</i> (1990) "A continuous flow immunoassay for rapid and sensitive detection of small molecules" <i>J. Immunol. Methods</i> 135:191-197.	
MN	R19	MARGOLIN (2000) "Green fluorescent protein as a reporter for macromolecular localization in bacterial cells" <i>Methods</i> 20:62-72.	
MN	R20	MARKS <i>et al.</i> (1991) "By-passing immunization. Human antibodies from V-gene libraries displayed on phage" <i>J. Mol. Biol.</i> 222: 581-597.	
MN	R21	MELTON, <i>et al.</i> (1984) "Efficient <i>in vitro</i> synthesis of biologically active RNA and RNA hybridization probes from plasmids containing a bacteriophage SP6 promoter" <i>Nuc. Acids Res.</i> 12:7035-7056.	
MN	R22	MORRISON <i>et al.</i> (1984) "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains" <i>Proc. Natl. Acad. Sci. USA</i> 81: 6851-6855.	
MN	R23	PEARSON AND LIPMAN (1988) "Improved tools for biological sequence comparison" <i>Proc. Natl. Acad. Sci. USA</i> 85(8):2444-2448.	
MN	R24	PUIG <i>et al.</i> (2001) "The tandem affinity purification (TAP) method: A general procedure of protein complex purification" <i>Methods</i> 24:218-29.	

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			Application Number	10/696,019	
			Filing Date	October 28, 2003	
			First Named Inventor	Arthur Rick Alleman	
			Group Art Unit	1645	
Examiner Name	Unknown				
Sheet	5	of	6	Attorney Docket Number	UF-387

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
MN	R25	SAMBROOK <i>et al.</i> (1989) "Analysis and Cloning of Eukaryotic Genomic DNA" IN: <i>Molecular Cloning. A Laboratory Manual, Second Edition</i> , Cold Spring Harbor Press, New York, NY, pp. 9.47-9.57.		
MN	R26	SCHENA <i>et al.</i> (1995) "Quantitative monitoring of gene expression patterns with a complementary DNA microarray" <i>Science</i> 270:467-470.		
MN	R27	SCHENA <i>et al.</i> (1996) "Genome analysis with gene expression microarrays" <i>BioEssays</i> 18:427-431.		
MN	R28	SCHENA <i>et al.</i> (1996) "Parallel human genome analysis: Microarray-based expression monitoring of 1000 genes" <i>Proc. Natl. Acad. Sci. U.S.A.</i> 93:10614-10619.		
MN	R29	SKERRA <i>et al.</i> (1999) "Applications of a peptide ligand for streptavidin: The <i>Strep</i> -tag" <i>Biomolecular Engineering</i> 16:79-86.		
MN	R30	SUTTER <i>et al.</i> (1994) "A recombinant vector derived from the host range-restricted and highly attenuated MVA strain of vaccinia virus stimulates protective immunity in mice to influenza virus" <i>Vaccine</i> 12(11):1032-1040.		
MN	R31	THOMPSON <i>et al.</i> (1994) "CLUSTAL W: Improving the sensitivity of progressive multiple sequence alignment through sequence weighing, position-specific gap penalties and weight matrix choice" <i>Nucleic Acids Res.</i> 22(2):4673-4680.		
MN	R32	VILLA-KAMAROFF <i>et al.</i> (1978) "A bacterial clone synthesizing proinsulin" <i>Proc. Natl. Acad. Sci. U.S.A.</i> 75:3727-3731.		
MN	R33	WAGNER <i>et al.</i> (1981) "Nucleotide sequence of the thymidine kinase gene of herpes simplex virus type 1" <i>Proc. Natl. Acad. Sci. U.S.A.</i> 78:1441-1445.		
MN	R34	WEI <i>et al.</i> (1983) "Isolation and comparison of two molecular species of the BAL 31 nuclease from <i>Alteromonas espejiana</i> with distinct kinetic properties" <i>J. Biol. Chem.</i> 258:13506-13512.		
MN	R35	YAMAMOTO <i>et al.</i> (1980) "Identification of a functional promoter in the long terminal repeat of Rous sarcoma virus" <i>Cell</i> 22:787-797.		
MN	R36	ZAPATA <i>et al.</i> (1995) "Engineering linear F(ab') ₂ fragments for efficient production in <i>Escherichia coli</i> and enhanced antiproliferative activity" <i>Protein Eng.</i> 8(10):1057-1062.		
MN	R37	SASSENFELD (1990) "Engineering proteins for purification" <i>TibTech</i> 8:88-93.		

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MN	R38	SMITH (1998) "Cookbook for eukaryotic protein expression: Yeast, insect, and plant expression systems" <i>The Scientist</i> 12(22):20.	
MN	R39	UNGER (1997) "Show me the money: Prokaryotic expression vectors and purification systems" <i>The Scientist</i> 11(17):20.	
MN	R40	KUSTERBECK <i>et al.</i> (1990) "Antibody-Based Biosensor for Continuous Monitoring" IN: <i>Biosensor Technology, Fundamentals and Applications</i> , R. P. Buck <i>et al.</i> , eds., Marcel Dekker, New York, NY, pp. 345-350.	
MN	R41	LIGLER <i>et al.</i> (1992) "Drug Detection Using the Flow Immunosensor" IN: <i>Biosensor Design and Application</i> , J. Findley <i>et al.</i> , eds., American Chemical Society Press, Washington, D.C., pp. 73-80.	
MN	R42	OGERT <i>et al.</i> (1992) "Detection of cocaine using the flow immunosensor" <i>Analytical Letters</i> 25:1999-2019.	
MN	R43	<i>Monoclonal Antibodies: Principles and Practice, Production and Application of Monoclonal Antibodies in Cell Biology, Biochemistry and Immunology</i> (1983), J.W. Goding ed., Academic Press, New York, NY.	
MN	R44	<i>Monoclonal Hybridoma Antibodies: Techniques and Applications</i> (1982), J.G.R. Hurrell, ed., CRC Press, Boca Raton, FL.	
MN	R45	<i>Selected Methods in Cellular Immunology</i> (1980), B.B. Mishell <i>et al.</i> , eds., W.H. Freeman and Company, San Francisco, CA.	
MN	R46	<i>Immunological Methods, Volume II</i> (1981), I. Lefkovits and B. Pernis, eds., Academic Press, Inc., New York, NY.	
MN	R47	<i>Practical Immunology, Second Edition</i> (1980), L. Hudson and F.C. Hay, eds., Blackwell Scientific Publications, London.	
MN	R48	PIETU <i>et al.</i> (1996) "Novel gene transcripts preferentially expressed in human muscles revealed by quantitative hybridization of a high density cDNA array" <i>Genome Research</i> 6:492-503.	
MN	R49	BANEYX, F. (1999) "Recombinant protein expression in <i>Escherichia coli</i> " <i>Curr. Opin. Biotechnol.</i> 10:411-421.	

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